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44. (Amended) A molded resin article wherein its surface layer is modified with a medicinal activity organic compound having sublimation properties and an affinity for a resin of the molded resin article to be coated, by the modification method of the resin surface layer according to claim 1 to impart a medicinal activity function to the surface layer.

45. (Amended) A molded resin article wherein its surface layer is modified with an organic compound having sublimation properties and an affinity for a resin of the molded resin article to be coated, and assuming a physiological activity to an animal/plant, by the modification method of the resin surface layer according to claim 1 to impart a function as an agricultural chemical to a surface layer.

REMARKS

Claims 1-15, 17-20, and 22-45 are pending. Claims 13, 14, 19, 20, 24-26, 30, 32, 34, 36, 38 and 40-45 are amended to eliminate multiple dependencies. Prompt and favorable consideration on the merits is respectfully requested.

The attached Appendix includes marked-up copies of each rewritten claim (37 C.F.R. §1.121(c)(1)(ii)).

Respectfully submitted,

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JAO:TJP/zmc
Attached: APPENDIX
Date: August 10, 2001

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APPENDIX

Changes to Claims:

The following are marked-up versions of the amended claims:

13. (Amended) The modification method of the resin surface layer according to claim 5~~any one of claims 5, 6, 7, 8, 9, 10, 11 and 12~~ wherein:

the vapor of the organic compound is uniformly deposited on the surface of the molded resin article; and

in order to allow the deposited organic compound to penetrate/disperse from the surface of the molded resin article into its inside,

the temperature of the molded resin article is raised up to a temperature which is equal to or higher than a glass transition temperature of the resin and which does not exceed the thermal decomposition temperature of the organic compound and/or the resin.

14. (Amended) The modification method of the resin surface layer according to claim 1~~any one of claims 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11 and 12~~ wherein:

a dyestuff having the sublimation properties and the affinity for the resin of the molded resin article to be coated is used as the organic compound to modify and simultaneously color the surface layer of the molded resin article.

19. (Amended) The modification apparatus for the resin surface layer according to claim 17~~either one of claims 17 and 18~~ which further contains:

a stirring mechanism for stirring the molded resin article of a powder form.

20. (Amended) The modification apparatus for the resin surface layer according to claim 17~~either one of claims 17 and 18~~ which further contains:

a wind-up mechanism for winding up the molded resin article of a form selected from a textile form, a fiber form and a film form around a reception side reel from a supply side reel under reduced pressure.

24. (Amended) The coloring apparatus for the resin surface layer according to claim 22~~either one of claims 22 and 23~~ which further contains:

a stirring mechanism for stirring the molded resin article of a powder form.

25. (Amended) The coloring apparatus for the resin surface layer according to claim 22~~either one of claims 22 and 23~~ which further contains:

a wind-up mechanism for winding up the molded resin article of a form selected from a textile form, a fiber form and a film form around a reception side reel from a supply side reel under reduced pressure.

26. (Amended) A molded resin article wherein its surface layer is modified by the modification method of the resin surface layer according to claim 1~~any one of claims 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, and 12~~.

30. (Amended) A plastic lens wherein its surface layer is modified by the modification method of the resin surface layer according to claim 1~~any one of claims 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, and 12~~.

32. (Amended) A resin coat lens wherein its resin surface layer is modified by the modification method of the resin surface layer according to claim 1~~any one of claims 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, and 12~~.

34. (Amended) A plastic film wherein its surface layer is modified by the modification method of the resin surface layer according to claim 1~~any one of claims 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, and 12~~.

36. (Amended) A fiber wherein its surface layer is modified by the modification method of the resin surface layer according to claim 1~~any one of claims 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, and 12~~.

38. (Amended) A plastic optical fiber wherein its surface layer is modified by the modification method of the resin surface layer according to claim 1~~any one of claims 1,~~

~~2, 3, 4, 5, 6, 7, 8, 9, 10, 11, and 12~~.

40. (Amended) A molded resin article wherein its surface layer is modified with a fluorescent dyestuff having sublimation properties and an affinity for a resin of the molded resin article to be coated, by the modification method of the resin surface layer according to claim 1~~any one of claims 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, and 12~~ to impart a fluorescent light emitting function to the surface layer.

41. (Amended) A molded resin article wherein its surface layer is modified with a photochromic dyestuff having sublimation properties and an affinity for a resin of the molded resin article to be coated, by the modification method of the resin surface layer according to claim 1~~any one of claims 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, and 12~~ to impart a photochromic function to the surface layer.

42. (Amended) A molded resin article wherein its surface layer is modified with an organic metal compound having sublimation properties and an affinity for a resin of the molded resin article to be coated, by the modification method of the resin surface layer according to claim 1~~any one of claims 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, and 12~~ to impart an X ray and/or electron ray and/or ray absorption function to the surface layer.

43. (Amended) A molded resin article wherein its surface layer is modified with an antibacterial or antifungal agent having sublimation properties and an affinity for a resin of the molded resin article to be coated, by the modification method of the resin surface layer according to claim 1~~any one of claims 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, and 12~~ to impart an antibacterial or antifungal function to the surface layer.

44. (Amended) A molded resin article wherein its surface layer is modified with a medicinal activity organic compound having sublimation properties and an affinity for a resin of the molded resin article to be coated, by the modification method of the resin surface layer according to claim 1~~any one of claims 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, and 12~~ to

impart a medicinal activity function to the surface layer.

45. (Amended) A molded resin article wherein its surface layer is modified with an organic compound having sublimation properties and an affinity for a resin of the molded resin article to be coated, and assuming a physiological activity to an animal/plant, by the modification method of the resin surface layer according to claim 1~~any one of claims 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, and 12~~ to impart a function as an agricultural chemical to a surface layer.